

- direction, and
- (2) the saw frame moving at a cutting speed relative to the stock during the cutting strokes,
- (d) at least one motor separated from the slider-crank drive for intermittently driving the feed conveyor conveying step-by-conveying step during the cutting strokes of the saw frame in dependence on the cutting speed,
- (e) a controlling system connected to the at least one motor, the controlling system comprising
- (1) a stored computer control program for the conveying steps adapted to the frequency of the cutting strokes, and
- (f) a signal transmitter connected to the controlling system, the signal transmitter transmitting an electronic signal indicating a preset position of rotation of the slider-crank drive to the controlling system.

Amend claim 8 to read as follows:--

- 8 (amended). A mill saw comprising
- (a) a saw frame comprising parallel saw blades cutting only in a stroke direction,
- (b) a slider-crank drive imparting cutting strokes to the saw frame at a given frequency,
- (c) a feed conveyor for feeding stock to be cut by the saw blades in a feed direction,

- (1) the saw blades being cantilevered in the feed direction, and
- (2) the saw frame moving at a cutting speed relative to the stock during the cutting strokes,
- (d) at least one motor separated from the slider-crank drive for intermittently driving the feed conveyor conveying step-by-conveying step during the cutting strokes of the saw frame in dependence on the cutting speed,
- (e) a controlling system connected to the at least one motor, the controlling system comprising
 - (1) a stored computer control program for the conveying steps adapted to the frequency of the cutting strokes, the stored control program comprising a first memory for a control program dependent on the speed of the slider-crank drive and a second memory independent thereof for feeding the stock to be cut in dependence on a saw blade disengagement determined by the cantilever of the saw blades, and
- (f) a signal transmitter connected to the controlling system, the signal transmitter transmitting an electronic signal indicating a preset position of rotation of the slider-crank drive to the controlling system.